

PRODUCT DATA SHEET

E2A400 is a 2.1 lbs/gal VOC gray epoxy primer with high-solids, direct to metal adhesion properties, and great overall performance. E2A400 is easily topcoatable and can be used with a wide range of topcoats. E2A400 has fast dry times and good sandability which makes it ideal for manufacturers, fleets, and automotive refinishers.



PERSONAL PROTECTION

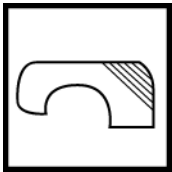
- Read all label directions before use.
- Wear a NIOSH approved dust particulate mask when sanding.
- Refer to MSDS for specific information.
- Wear positive-air respirator when mixing and applying.
- Wear safety goggles, coveralls, and latex gloves when using this product.



SURFACE PREPARATION

- Wash surfaces with a mild detergent in hot water. Rinse well and wipe dry with a clean cloth.
- Solvent clean with an appropriate surface cleaner and wipe dry with a clean cloth.
- Blast all metal areas or sand with 200-320 grit sand paper.
- Solvent clean with an appropriate surface cleaner and wipe dry with a clean cloth.

Note: E2A400 does not require an etch primer and can be applied directly to the properly cleaned and blasted or sanded substrates with 200-320 grit sandpaper.



SUITABLE SUBSTRATES

- Cold rolled steel
- Hot rolled steel
- Aluminum
- Fiberglass
- SMC

EQUIPMENT

Gun Type	Nozzle	Air Pressure
HVLP	0.8-1.4 mm at 10-14 oz/min	28-38 psi
Conventional Pressure Feed	0.8-1.4 mm at 10-14 oz/min	28-35 psi

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MIXING

- Stir or shake E2A400 thoroughly before mixing.
- If reduction is needed, use up to a half part of VS100 Reducer.
- Stir thoroughly and strain before use.
- Pot life: 1 hours at 75°.



4 Parts
Primer
E2A400

+



1 Part
Hardener
V6V441

If reduction is needed, use
up to a half part of VS100.

Volume Solids: 48%



APPLICATION

1. HVLP: Adjust air pressure at cap to 10 psi.
2. Conventional: Adjust air pressure at the gun to 28-35 psi for pressure feed applications with a fluid delivery of 10-14 ounces per minute.
3. For Pressure Feed, apply 2 medium coats at a gun distance of 8-10 inches. Spray to hiding.
4. For HVLP, apply 1 full wet coat with 70% overlap, after flash, apply the second coat. Recommended dry film thickness is 1.8-2.5 mils.
5. Clean spray gun immediately after use with Gun and Equipment Cleaner.

RECOAT

- E2A400 may be topcoated or recoated after 30 minutes and up to 3 days without sanding or scuffing. After 3 days, sand surface with 200-320 grit sandpaper.



DRYING SCHEDULE

- Dry times are based on the recommended dry film thickness of 1.8-2.5 mils
- Thicker films will extend drying times
- Air dry times at 75° F and 50% relative humidity

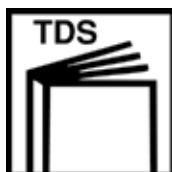
Air Dry Times

Out of Dust: 40 minutes
Tape Free: 45 minutes
Tack Free: 45 minutes
Sandable: 45 minutes

Forced Dry Times

Time to tape free
At 140° F: 30 minutes

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TECHNICAL DATA

Max VOC (4:1)	2.1 lbs/gal	Viscosity (sprayable) Gardener #2 Zahn Cup (ISO calibrated)	18-20 sec
Ready to Spray Volume Solids	48%	Physical Properties*	
Coverage @ 1 mil dry (4:2:1)	770 FT ² /gal	Salt Spray 250 hours	1/8" creep
Pot Life	1 hour	Humidity 96 hours	No Effect
Recommended Dry Film Thickness	1.8-2.5 mils	Flexibility (1/8" conical mandrel)	Pass

REGULATORY DATA	As Packaged		As Applied	
(4:1)	Lb/Gal	G/L	Lb/Gal	G/L
Density	11.58	1387	10.92	1308
	% by Wt.	% by Vol.	% by Wt.	% by Vol.
Volatiles	34.57	42.79	35.22	46.40
Solids	65.43	57.21	64.78	53.60
Water	0	0	0	0
Exempt Coumpounds	2.7	328	2.18	261
	Lb/Gal	G/L	Lb/Gal	G/L
VOC Total	1.26	152	1.66	198
VOC Less Exempt	2.11	253.8	2.07	248
	Lb/Gal	KG/L	Lb/Gal	KG/L
HAPs	0.0195	0.002	0.0194	0.002

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LABEL CAUTION INFORMATION

E2A400:



Highly flammable liquid and vapor. Causes serious eye irritation. Toxic if inhaled. May cause cancer. May cause damage to organs repeated exposure. Prevention: Obtain special instructions before use. Do not handle until all safety precautions have been read and heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Use explosion-proof electrical, material-handling equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Do not breathe vapor. handling. Use only outdoors or in a well-ventilated area. Wear protective gloves. Wear eye or face protection. Use personal protective equipment **Response: IF ON SKIN** (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. **IF INHALED:** Remove rest in a position comfortable for breathing. Call a **POISON CENTER** or physician. **IF IN EYES:** Rinse cautiously with water for several if present and easy to do. Continue rinsing. IF exposed or concerned: Get medical attention. Get medical attention if you feel unwell. If medical attention. **Storage:** Keep cool. Store in a well-ventilated place. Store locked up. **Disposal:** Dispose of contents and container in regional, national and international regulations.

Adequate ventilation required when sanding or abrading the dried film. If Adequate ventilation cannot be provided wear an approved particulate approved). Follow respirator manufacturer's directions for respirator use. **DELAYED EFFECTS FROM LONG TERM OVEREXPOSURE.** film may release crystalline silica which has been shown to cause lung damage and cancer under long term exposure. **DELAYED EFFECTS OVEREXPOSURE.** Contains solvents which can cause permanent brain and nervous system damage. Intentional misuse by deliberately contents can be harmful or fatal. **WARNING:** This product contains chemicals known to the State of California to cause cancer and birth harm. **FOR PROFESSIONAL USE ONLY.** This product must be mixed with other components before use. Before opening the packages, **WARNING LABELS ON ALL COMPONENTS.** Please refer to the SDS for additional information. Do not transfer contents to other containers Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 64.5%. Emergency telephone number (216) 566-2917

V6V441:



Flammable liquid and vapor. Causes severe skin burns and eye damage. May cause respiratory irritation. May cause drowsiness and dizziness. Suspected of causing cancer. May cause damage to organs through prolonged or repeated exposure. Prevention: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Use explosion-proof electrical, ventilating, lighting and all material-handling equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Do not breathe vapor. Wash hands thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves. Wear eye or face protection. Wear protective clothing. Use personal protective equipment as required. **Response: IF SWALLOWED:** Immediately call a **POISON CENTER** or physician. Rinse mouth. Do **NOT** induce vomiting. **IF ON SKIN** (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. Wash contaminated clothing before reuse. Immediately call a **POISON CENTER** or physician. **IF INHALED:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a **POISON CENTER** or physician. **IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a **POISON CENTER** or physician. IF exposed or concerned: Get medical attention. Get medical attention if you feel unwell. **Storage:** Keep cool. Store in a well-ventilated place. Store locked up. **Disposal:** Dispose of contents and container in accordance with all local, regional, national and international regulations. **DELAYED EFFECTS FROM LONG TERM OVEREXPOSURE.** Contains solvents which can cause permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal. **WARNING:** This product contains a chemical known to the State of California to cause cancer. **FOR PROFESSIONAL USE ONLY.** This product must be mixed with other components before use. Before opening the packages, **READ AND FOLLOW WARNING LABELS ON ALL COMPONENTS.** Please refer to the SDS for additional information. Do not transfer contents to other containers for storage. Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 61.2%. Emergency telephone number (216) 566-2917

To learn more about Genesis® Primers, visit our Web site at www.sherwin-automotive.com